		Awaiting Results	Yes		Yes	DEKA	DI ULIWICK INAS
					Not reported	FUDS	Blaine Navai Ammunition Depot
				Not Applicable	No	DERA	Bellord NWIKE
					Not reported	DERA	Barslow MCLB
		Not Applicable	No		Yes	DERA	Bangor NSB
					Not reported	FUDS	AVCO Lycoming SF Site
					Not reported	DERA	Atlantic City Airport
					Not reported	FUDS	Arkansas Ordnance Plant
No exposure pathway. One Groundwater detection of 19 6 ppb in Open Detonation area and a 605 ppb detection in what is thought to be an isolated, non-source aquifer. 605 ppb was the highest concentration detected Perchorate also sampled at southern boundary and none found.	19.6 ppb at Open Detonation Area, 605 ppb in isolated plume (site 142); Non-detect on southern boundary (Areas K & I).	19.6 ppb 605 ppb Not Detected	Yes		Y es	DERA	AKDEC (Picatumy Arsenal)
					Not reported	DERA	Anniston Army Depot
		Not Detected	Yes	Not Applicable	No	DERA	Andrews Air Force Base
		Not Applicable	No	Grenades	Yes	DERA	Andersen Air Force Base
No exposure pathway. Groundwater is not used for drinking water.	Discharge into surface water is between 100-400 ppb.	100-400 ppb	Yes		Yes	DERA	Allegany Ballistics Lab
					Not reported	DERA	Albany MCLB
		Not Detected	Yes	Rockets	Yes	DERA	Air Force Plant PJKS
		Not Applicable	No	Rockets, propellants	Yes	DERA	Air Force Plant 70
		Not Detected	Yes	Rockets, propellants	Yes	DERA	Air Force Plant 44
		Not Detected	Yes	Ejection seats, flares,	Yes	DERA	Air Force Plant 4
					Not Reported	FUDS	Air Force Plant 14
Exposure Pathway. Army is monitoring and assisting City of Aberdeen to ensure finished drinking water trenains below 1pph Perchlorate has been found in drinking supply wells (Non-detect-spp) for the City of Aberdeen.  Perchlorate has been detected in the aquifer that supplies water to the City of Aberdeen.	23 ppb at the western boundary well; I ppb at the City of Aberdeen well; Groundwater 3.4 to 10.9 ppb; soil 15 ppb; product well water 0.4 to 5 ppb.	0-23 ppb	Yes		Ϋ́α	DERA	Aberagen Froving Ground
Knowa Human Exposure?	Comments	Results of Any Sampling, Including Detection Level	Has Sampling for Perchlorate Occurred?	Type of Equipment, Munitions, Weapoury Used	Has Facility Used Equipment, Munitions, or Weaponry Believed to Contain Perchlorate?	Status	Facility Name

		Not Applicable	No	Not Applicable	No	DERA	Fairchild Air Force Base
		Not Applicable	No	Explosive ordnance disposal Range (munitions), Grenades	Yes	DERA	Elmendort Air Force Base
		Not Detected	Yes	Explosive Ordnance Disposal Range (munitions)	Yes	DERA	Ellsworth Air Force Base
		Not Applicable	No	Demolition & Burn Facility	Yes	DERA	Eielson Air Force Base
No exposure pathway. Groundwater is not used for drinking water.	36,000 ppb highest concentration detected. An innovative ion exchange perchlorate treatment technology is currently being demonstrated at Edwards AFB.	36,000 ppb	Yes	Rocket propellant testing	Yes	DERA	Edwards Air Force Base
					Not reported	FUDS	Eau Claire OP #1
					Not reported	DERA	DSC RICHMOND
		Not Applicable	No	Not Applicable	No	DERA	Dover Air Force Base
		The control of the co			Not reported	DERA	DD San Joaquin, Tracy Facility
					Not reported	DERA	DD San Joaquin, Sharpe Facility
		Not Applicable	No		Yes	DERA	Dahlgren NSWC
					Not reported	DERA	Comhusker AAP
		Not Applicable	No	Not Applicable	No	DERA	Concord NWS
		Not Applicable	No		Yes	DERA	Colts Neck NWS Eearle
		Not Applicable	No.	The Air Station utilizes pytotechnics, muricular, and rockets/missiles, and rockets/missiles, Muritions assembly is not conducted aboard the Air Station other than the final assembly efforts required to ready munitions for use (i.e. attaching fins to missles).	2	DERA	Cherry follit pitc/AS
		Not Detected	Y S	Waiting for report identifying specific equipment, munitions, or weaponry known to contain perchlorate.	Yes	DERA	Camp Pendelion MCB
		Not Applicable	No	pyro, rockets, general purpose ordnance, anti- tank weapons, artillery, mortars, etc.	Yes	DERA	Camp Lejeune MCB
Known Human Exposure?	Comments	Results of Any Sampling, Including Detection Level	Has Sampling for Perchlorate Occurred?	Type of Equipment, Munitions, Weapoury Used	Has Facility Used Equipment, Munificus, or Weaponry Believed to Contain Perchlorate?	Status	Facility Name

Little Creek NAB	Larson Air Force Base	Langley Air Force Base	Lakehurst NAWCAD	Lake Louise	Lake City AAP	Kingsbury Ordnance Plant	Keyport NUWC	Joliet AAP - Kankakee	Jet Propulsion Lab	Jackstonville NAS	Iowa Army Ammunition Plant	Indian Head NSWC	IL Ordhance PL1 (Crab Orchard)	Hill Air Force Base	Hanscom Air Force Base	Fort Crowder	Fridley NIROP	Francis E Warren Air Force Base	Fort Wainwright	Fort Riley	Fort Richardson	Fort Lewis	Fort Eustis	Fort Dix	FIKE/ARTEL Chemical	Pacility Name
DERA	FUDS	DERA	DERA	DERA	DERA	FUDS	DERA	DERA	FUDS	DERA	DERA	DEKA	FUDS	DERA	DERA	FUDS	DERA	DERA	DERA	DERA	DERA	DERA	DERA	DERA	FUDS	Status
Ϋ́α	Not reported	Yes	Not reported	Not reported	Yes	Not reported	Yes	Information Not available	Yes	Yes	Information Not Available	`	Not reported	Yes	Yes	No		Yes	No	No	No	Yes	Yes	No		Has Facility Used Equipment, Munitions, or Weaponry Believed to Contain Perchlorate?
Pyrotechnics, cartridges, grenades, rocket motors, missiles, propellant, flares		Explosive ordnance disposal Range (munitions)												Rocket motor testing	Pyrotechnics, smoke grenades	Not Applicable		Mortars, cannons	Not Applicable	Not Applicable	Not Applicable					Type of Equipment, Munitions, Weapoury Used
No		Yes			Yes		No		Yes	No	Yes (By EPA)	Yes		Yes	No	No		No	No	No	No		No			Has Sampling for Perchlorate Occurred?
Not Applicable		Not detected			73 ppb		Not Applicable			Not Applicable	9 ppb	190 ppb		70 ppb	Not Applicable	Not Applicable		Not Applicable	Not Applicable	Not Applicable	Not Applicable		Not Applicable			Results of Any Sampling, Including Detection Level
					Monitoring well - 73 ppb; soil 15 ppb							Groundwater concentrations near the hogout facility average approx. 170 ppb. The effectiveness of an innovative in situ perchlorate treatment technology is being demonstrated at Indian Head.		70 ppb highest concentration detected												Comments
					No exposure pathway. 2 of 30 wells sampled with results of 23 and 79 ppb. No drinking water sources are known to be threatened.						No known exposure pathways.	r No exposure pathway. Groundwater L is not used for drinking water.		No exposure pathway. Groundwater is not used for drinking water.							100					Known Human Exposure?

					Not reported	FUDS	Naval Station TODD-Tacoma
					Not reported	FUDS	Nansemond Ordnance Depot
		Not Applicable	No	Explosive ordnance range (munitions)	Yes	DERA	Mountain Home Air Force Base
					Not reported	FUDS	Morgantown Ordnance Works
					Information Not Available	DERA	Milan Army Ammunition Plant
					Not reported	FUDS	Middletown Air Depot
					Not reported	DERA	Mechanicsburg SPCC
		Not Applicable	No	Not Applicable	No	DERA	McGuire Air Force Base
		Not Applicable	No	Not Applicable	No	DERA	McCord Air Force Base
g wells  Exposure Pathway. Alternative drinking water source provided to etc.ion other towns was also provided to town Bourne. Perchlorate has been saishility detected in wells that supply the town shibility detected in wells that supply the town thorate of Bourne (<   ppb) and in a private- residence Bourne well (1.75 ppb). Perchlorate has been found in a sole source aquifer located under MMR (upto 300 ppb).	Groundwater monitoring wells 17.7 ppb (May 2001) to 3.7 ppb (May 2001) to 3.7 ppb (Jan 2003), offsite well detection at 1.75 ppb in May 2003. of using an innovative perchlorate treatment technology are being conducted.	300 ppb	Yes		Yes	DERA	Massachusetts Military Reservation (MMR)
					Not reported	FUDS	Marathon Battery PLT
					Not reported	FUDS	Manchester Annex
					Not reported	FUDS	Malta Test STA
					Not reported	DERA	Louisiana AAP
n 1999. No exposure pathway. Perchlorate is not approaching drinking water sources. Installation has defined rational nature and extent of perchlorate ochramination at various locations on Longhorn property. Nature and extent of perchlorate contamination in soil and groundwater has been identified. Monitoring of surface water continues on a quarterly basis per an agreement with regulatory agencies.	Perchlorate discovered in 1999. An innovative groundwater treatment technology for perchlorate has been operational since March 2001. Ecological studies and cleanup studies being conducted.	Groundwater < 4ppb to 247,000 ppb; Soil 25.5 ppb to 163,000 ppb	χes		Yes	DERA	Longhorn AAP
8.8 ppb) No exposure pathway. Low levels of perchlorate in soil and Groundwater, but no indication of a completed pathway of exposure. 8 ppb found in Groundwater by burning grounds and 9 ppb found next to production building.	Soil at production plant (8.8 ppb) and Groundwater at burning ground (8 ppb).	8.8 ppb	Yes		Ϋ́s	DEKA	Lone Star AAP
Samsodxy nkumu naony	Comments	တ			Munitions, or Weaponry Believed to Contain Perchlorate?	Thumburg.	
	Санты	Results of Any	Has Sampling for	Type of Equipment.	Has Facility Used Equipment,	Status	

Facility Name	Suns	Has Facility Used Equipment, Munitions, or Weaponry Believed to Contain Parallerses?	Type of Equipment, Munitions, Weaponry Used	Has Sampling for Perchlorate Occurred?	Results of Any Sampling, Including Detection Level	Comments	Known Human Exposure?
Nebraska Ordnance Plant	FUDS	N	Not Applicable	Yes	24 ppb	Army reports EPA has been investigating this site because it was a fireworks manufacturing facility for approximately 20 years subsequent to DoD use. There has been no basis or historical record to suspect DoD perchlorate usage.	Exposure pathway suspected. DoD confirmation is pending.
New Hanover CNTY ARPT	FUDS	Not reported					
New London NSB	DERA	Yes					
Newoirt NETC	DERA	Not reported					
Norfolk Naval Station	DERA	Υgs	Pyrotechnics, cartridges, grenades, rocket motors, missiles, propellants, mines, torpedoes	Z <sub>0</sub>	Not Applicable	Storage only.	
Norfolk COMNAVBASE	DERA	Not reported					-
Norfolk NSY	DERA	Not reported					
Pantex Ordnance (DOE)	FUDS	Not reported					
Pantex Ordnance Plant (TX Tech)	FUDS	Not reported					
Parris Island MCRD	DERA	Not reported	The overwhelming majority of munitions used aboard the Depot have been small arms. In addition, some mortar fire, some artillery, granades, rockets and pyrotechnics. Artillery dates back to the early part of the century, rockets and mortars were also fired until the WWII timeframe, grenades were thrown/fired until the mid-1990s.	No	Not Applicable	Archive Search Report and Range Identification and Preliminary Range Assessment do not have any specific reference to perchlorate. The majority of rockets that have been fired on Parris Island (primarily during the 1930's) had solid or powder propellants. Not sure what types of munitions may have contained perchlorate as an ingredient.	
Patuxent River NAS	DERA	Yes		No	Not Applicable		
Pearl Harbor FISC	DERA	Not reported					
Pearl Harbor INACTSHIPDET	DERA	Not reported					
Pearl Harbor NS	DERA	Yes		No	Not Applicable		
Pearl Harbor NSB	DERA	No	Not Applicable				
Pearl Harbor NSY	DERA	No	Not Applicable	No	Not Applicable		
Pearl Harbor PWC	DERA	Not reported					
Pensacola NAS	DERA	Not reported					

Travis Air Force Base	TODD-Seattle Drydocks INC	Tobyhanna AD	Tinker Air Force Base	Sunflower AAP	Strother Field	St. Julien's Creek Annex	Colored Colored	Soldier Systems Center	Sangamo Ordnance Plant	San BER ENGR Deport	Rocky Mountain Arsenal	Robins Air Force Base	Riverbank Army Ammunition Plant	Port Hadlock NOC PAC DIV DET Portsmouth NSY Puget Sound FISC Bremerton Puget Sound NSY Quantico MCB Redstone Arsenal	Facility Name
DERA	FUDS	DERA	DERA	DERA	FUDS	DERA		DERA	FUDS	FUDS	DERA	DERA	DERA	DERA DERA DERA DERA DERA DERA DERA	Status
No	Not reported	No	Yes	Not reported	Not reported	Ϋ́	200 000000	Not reported	Not reported	Not reported	Not reported	ž,	Information Not Available	Not reported Not reported Not reported Not reported Not reported	Has Fac Muni Be
Not Applicable		Not Applicable	Rocket motors, Cartridge actuated devices, propellant actuated devices			Pyrotechnics, cartridges, grenades, rocket motors, missiles, propellants, mines, torpedoes, fuzes, flares, ejection seats						Stored munitions		Not Applicable Not Applicable Not Applicable Not Applicable pyro, rockets, general pupose ordnance, anti- tank weapons, artillery, mortars, etc.	Type of Equipment, Munitions, Weapoury Used
Yes		No	No.			Z						No		Yes No	Has Sampling for Perchlorate Occurred?
Groundwater		Not Applicable	Not Applicable			Not Applicable						Not Applicable		Not Applicable Not Applicable 37-19,000 ppb	Results of Any Sampling, Including Detection Level
Detected in groundwate at Site 12.														2 plumes with elevated perchlorates; soil contamination	Comments
2. No Exposure Pathway. Groundwater is not used as a drinking water source														Possible exposure pathway. The installation is monitoring to ensure that drinking water remains unaffected. Drinking water sources, however, have not been impacted. Elevated levels of perchlorate have been detected in springs that empty into a creek that, in turn, empties into the river. This site is located one-mile upstream of the arsenal's drinking water intake. Sampling results from the drinking water intake are non-detect.	Kaown Human Exposure?

Yuma MCAS	Yorktown NWS Cheatham Annex	Yorkown NWS	Wright Patterson Air Force Base	Willow Grove NAS	Willow Grove Air Force Reserve	Williamsburg FISC Cheatham Annex	Whiting Field NAS	Whidbey Island NAS	West Virginia Ordnance Works	Weldon Springs Ordnance Works	Washington Navy Yard	Wahiawa NCTAMS EASTPAC	Tyndall Air Force Base	Twin Cities AAP	Tuscon International Airport	Facility Name
DERA	DERA	DERA	DERA	DERA	DERA	DERA	DERA	DERA	FUDS	FUDS	DERA	DERA	DERA	DERA	DERA	Status As
ä	No	Yes	Yes	Not reported	Yes	No	No	Not reported	Not reported	Not reported	Not reported	Not reported	No	Not reported	Not reported	Has Facility Used Equipment, Munitions, or Weaponry Believed to Contain Perchlorate?
pyrotechnics, munitions, rockets and munitions assemblies	Not Applicable	Pyrotechnics, cartridges, grenades, rocket motors, missiles, propellants, mines, torpedoes, fuzes, flares, ejection seats	Rockets, munitions		Munitions	Not Applicable	Not Applicable				the state of the s		Not Applicable			Type of Equipment, Munitions, Weapoury Used
ά á	No	No	Yes		oN	No	No						No			Has Sampling for Perchlorate Occurred?
<4.4.56 ppb See Notes	Not Applicable	Not Applicable	ND		Not Applicable	Not Applicable	Not Applicable						Not Applicable			Results of Any Sampling, Including Detection Level
Note 1: The Camp Billy Machen water treatment plant located on the Chocolate Mountain Bombing Range had a result of 4.21 ppb. This is a ground water system that is provided by Imperial County Note 2: The Camon Complex water treatment plant located on the Barry M. Goldwater Bombing Range had a result of 4.40 ppb, this is also ground water system Note 3: The Main Station water treatment plant had a result of 4.56 ppb, this is a surface water treatment plant had a result of 4.56 ppb, this is a surface water from the Colorado River. The test were conducted using the EPA method 314, with a detection level of 4.00 ppb.																Comments
Machen water treatment plant located on the Chocolate Mountain Bombing Range had a result of 4.21 ppb. The Main Station water treatment plant had a result of 4.56 ppb. The water system receives raw water from the Colorado River:																Known Human Exposure?